

1743

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MAR 12 2002  
PATENT & TRADEMARK OFFICE

**TRANSMITTAL LETTER**  
**(General - Patent Pending)**

Docket No.  
**DI-5762 (112713-144)**

In Re Application of **Pan, L., et al.**

Serial No. <b>10/024,170</b>	Filing Date <b>December 14, 2001</b>	Examiner <b>Unknown</b>	Group Art Unit <b>1743</b>
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Title:  
**AMMONIA AND AMMONIUM SENSORS**

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TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**Transmittal of Information Disclosure Statement (duplicate); Information Disclosure Statement (2 pgs.); PTO Form-1449 (1 pg.); Sixteen References; One Abstract; return receipt postcard.**

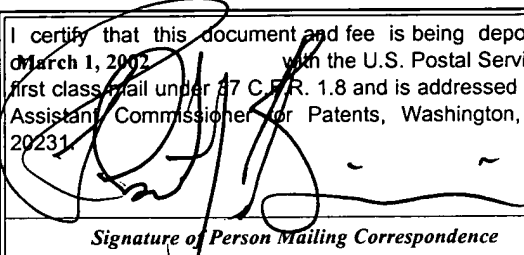
in the above identified application.

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Dated: **March 1, 2002**

**Michael S. Leonard (Reg. No. 37,557)**  
**Bell, Boyd & Lloyd LLC**  
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Signature of Person Mailing Correspondence	
<b>Robert J. Buccieri</b>	
Typed or Printed Name of Person Mailing Correspondence	

CC:

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
DI-5762 (11271-144)

In Re Application Of: **Pat. Luc et al.**

Serial No.  
10/024,170

Filing Date  
December 14, 2001

Examiner  
Unknown

Group Art Unit  
1743

Title: **AMMONIA AND AMMONIUM SENSORS**

Address to:  
**Assistant Commissioner for Patents**  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
DI-5762 (112713-14)

In Re Application: **Pen, et al.**

Serial No.

10/024,170

Filing Date

December 14, 2001

Examiner

Unknown

Group Art Unit

1743

**AMMONIA AND AMMONIUM SENSORS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 02-1818 as described below. A duplicate copy of this sheet is enclosed.
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\_\_\_\_\_  
Signature of Person Mailing Correspondence

Robert J. Buccieri

\_\_\_\_\_  
Typed or Printed Name of Person Mailing Certificate

**\*This certificate may only be used if paying by deposit account.**

\_\_\_\_\_  
Signature

Dated: **March 1, 2002**

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CC:



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pan, L., et al.  
Appl. No.: 10/024,170  
Filed: December 14, 2001  
Title: AMMONIA AND AMMONIUM SENSORS  
Art Unit: 1743  
Examiner: Unknown  
Docket No.: DI-5762 (112713-144)

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Assistant Commissioner for Patents  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, copies of which are enclosed, be made during the course of examination of the above-identified application for United States patent.

**U.S. PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Inventor</u>
4,201,548	May 6, 1980	Tamaoku et al.
4,356,149	October 26, 1982	Kitajima et al.
4,621,643	November 11, 1986	New, Jr. et al.
4,661,246	April 28, 1987	Ash
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5,286,624	February 15, 1994	Terashima et al.
5,559,035	September 24, 1996	Jolly
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6,013,529	January 11, 2000	Munkholm
6,051,437	April 18, 2000	Luo et al.
6,219,567 B1	April 17, 2001	Eggers et al.

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**FOREIGN PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
61-225659	October 7, 1986	Japan
WO 97/30351	August 21, 1997	PCT

Foreign patent document 61-225659 Japan is not in the English language. An English abstract is enclosed for that document.

**OTHER DOCUMENTS**

Rhines, T., et al., "Simplex Optimization of a Fiber-Optic Ammonia Sensor Based on Multiple Indicators," Analytical Chemistry, Vol. 60, No. 1, January 1, 1988, pp. 76-81.

Werner, T., et al., "Ammonia-sensitive Polymer Matrix Employing Immobilized Indicator Ion Pairs," Analyst, Vol. 120, June 1995, pp. 1627-1631.


Kuswandi, B., et al., "A Simple Optical Flow Injection Ammonia Sensor," Analytical Letters, 31(3), (1998), pp. 395-410.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY

  
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Dated March 1, 2002